

1. Record Nr.	UNINA9910830504203321
Titolo	Chemical dynamics [[electronic resource] ] : papers in honor of Henry Eyring // edited by Joseph O. Hirschfelder [and] Douglas Henderson
Pubbl/distr/stampa	New York, : Wiley-Interscience, [1971]
ISBN	1-282-34744-6 9786612347443 0-470-14369-X 0-470-14406-8
Descrizione fisica	1 online resource (852 p.)
Collana	Advances in chemical physics ; ; v. 21
Altri autori (Persone)	EyringHenry <1901-1981.> HendersonDouglas <1934-> HirschfelderJoseph O. <1911-1990>
Disciplina	541.3 541.305 541/.08
Soggetti	Biophysics Dynamics Kinematics Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	CHEMICAL DYNAMICS; CONTENTS; Helium Molecular States; A Free-Electron Study of Common Boron Frameworks; Basis of Extended Hiickel Formalism; Ionization Potentials and Electron Afinities of Some Polyphenyl Molecules; A Linear Sum-over-Points Approach for Computing Electronic Energies: Application to He and H2 Using Conroy Diophantine Points; The Potential Energy Surface of the H3 System Using Floating Gaussian Orbituls; A Forecast for Theoretical Chemistry; Studies on Rates of Nonequilibrium Processes; The Current Stutus of Eyring's Rute Threory Permeabilities for Reactions of the Type H+ H2= H2+H Treated as a Linear Encounter Using Variational and Distorted Wave TechniquesCalculation of Statistical Complexions of Polyatomic

Molecules and Ions; Some Comments on the Theory of Photochemical Reactions; Collisional Transfer of Triplet Excitations Between Helium Atoms; The Mechanism of Electronic Energy Transfer Between Excited Mercury (3P<sub>1</sub>) Atoms and Gaseous Paraffins; Dynamics of Ion-Molecule Collisions; Activation Parameters and Deprotonation Kinetics of Intramolecularly Hydrogen Bonded Acids  
The Bronsted  $\alpha$  and the Primary Hydrogen Isotope Effect. A Test of the Marcus Theory  
Self-Diffusion of Oxygen in  $\alpha$ -Phase Praseodymium Oxide; Application of the Absolute Reaction-Rate Theory to Non-Newtonian Flow; Electronic States of Solid Explosives and Their Probable Role in Detonations; Notes on the Two-Particle Density Matrix in  $n$ -Electron Theory; The Frequency Functions as Energy Contours for Photon Absorbance in Condensed Systems; Covalency Effects in Octahedral  $d^1$  Complexes; The Calculated Heat of Adsorption of Water on Mercury, Silver, Gold, and Platinum  
Intermolecular Potentials and Macroscopic Properties of Argon and Neon from Differential Collision Cross Sections  
Distribution Function of Classical Fluids of Hard Spheres. I; Hard Spheres with Surface Adhesion: The Percus-Yevick Approximation and the Energy Equation; Inequalities for Critical Indices near Gas-Liquid Critical Point; Application of a Short-Range Ordered Model to Strong Electrolytes; Eyring's Theory of Viscosity of Dense Media and Nonequilibrium, Statistical Mechanics; Sound Velocity and van der Waals Force in Liquids According to Significant Structure Theory  
Transient State Theory of Significant Liquid Structure Applied to Water  
The Gaseous Fraction in Liquid Metals; Application of the Significant Structures Theory to Plastic Crystals; On the Nature of Solutions of Organic Compounds in Fused Salts; Solid "Liquid-Crystalline" Films of Synthetic Polypeptides: A New State of Matter; The Thermal Stability of Collagen: Its Significance in Biology and Physiology; Kinetics of the Interactions of Formaldehyde, Acetaldehyde, and Acrolein with Rat Tail Tendon; Protein Conformations, "Rack" Mechanisms and Water  
Biomolecular Conformation and Biological Activity

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### Sommario/riassunto

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